Mountain Weather Forecast

Peak District National Park

Forecast valid from 00:00 on Monday 21 Feb 2022 until 23:59 on Tuesday 22 Feb 2022

Forecast Issued on Sunday 20 Feb 2022 at 15:49

Confidence: High confidence for very strong winds on Monday and generally an unsettled week with periods of very strong winds and wintry showers.

Headline for Monday 21 Feb 2022: Severe gales slowly easing and becoming drier later with some sunshine.

Mountain weather hazards on Monday 21 Feb 2022

Blizzards No Likelihood	**Heavy persistent snow** No Likelihood	**Storm force winds** No Likelihood
Gales High Likelihood	**Severe chill effect** Low Likelihood	**Poor visibility** No Likelihood
Thunderstorms No Likelihood	**Heavy persistent rain** No Likelihood	**Strong sunlight** No Likelihood

Weather and chance of precipitation at 600m							
Time							
00:00	03:00	06:00	09:00	12:00	15:00	18:00	21:00
Sleet	Sleet	Heavy Rain	Cloudy	Cloudy	Sunny intervals	Partly cloudy (night)	Partly cloudy (night)
Precipitation probability							
80%	80%	80%	30%	30%	20%	10%	10%

Forecast for Monday 21 Feb 2022

Weather: A very hazardous night on the hills with severe gales widely. Frequent squally, wintry showers and perhaps a longer spell of sleet or rain in the early hours. Showers continuing in the early part of the day but falling as rain and any wintriness confined to the highest summits. Remaining very windy and feeling chilly with tricky walking conditions during the morning. Conditions will slowly improve in the afternoon with some brightness and sunny spells and winds slowly easing. Some clear spells through the evening.

Chance of cloud-free hill tops above 600m: At daybreak 20% but cloud lifting and breaking, 90% by early afternoon.

Low cloud and visibility: Overnight and around dawn overcast low cloud layers are expected from 300m and above. These will soon lift and clear during the morning becoming patches around 600m in the morning, general visibility will be moderate or poor in any wintry showers but quickly improve, becoming good or very good by mid morning. Mostly clear summits in the afternoon, with just a few patches and excellent overall visibility.

Check our weather forecast every day to get the most accurate and up to date information
http://www.metoffice.gov.uk/public/weather/mountain-forecast
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Mountain Weather Forecast

Forecast for Monday 21 Feb 2022

Height (m)	Wind Speed mean/gusts (mph)					Wind Direction (blowing from)			
	00:00	03:00	06:00	09:00	12:00	15:00	18:00	21:00	00:00
600	37/51 W	41/58 W	47/67 W	40/57 NW	33/49 NW	28/42 NW	21/32 W	17/25 W	16/23 SW
300	28/42 W	33/51 W	38/59 W	31/49 NW	28/44 NW	23/38 NW	18/30 NW	11/18 W	10/17 SW
Valley	21/42 W	25/50 W	30/61 W	24/48 NW	22/44 NW	19/37 NW	13/29 NW	5/15 W	7/15 SW

Height (m)	Temperature / Feels Like (°C)								
	00:00	03:00	06:00	09:00	12:00	15:00	18:00	21:00	00:00
600	-2/-11	-1/-10	2/-7	3/-5	4/-3	4/-2	2/-4	2/-4	1/-4
300	1/-6	1/-6	4/-3	5/-1	6/1	7/2	5/0	4/0	4/0
Valley	2/-5	2/-5	5/-2	6/0	7/2	7/3	6/2	4/2	4/1
Freezing Level*	300m	400m	900m	900m	1000m	1000m	800m	800m	900m

**Level above which ground is expected to be frozen/snow is expected to settle.*

Meteorologist's View

Extremely unpleasant conditions on the hills overnight with severe gales and squally wintry showers, a severe wind chill is expected. Freezing level will lift on Monday with snowmelt expected at lower levels which will make conditions very slippery underfoot and watercourses are likely to swell.

Recent rainfall: measured at Cat & Fiddle: altitude 511m

Recorded at	Last 24 hours:	Last 48 hours:	Last 72 hours:
15:00 on Sun 20 Feb 2022	38.8mm	41.8mm	61.2mm

Forecast for Tuesday 22 Feb 2022

Weather: Light and patchy rain expected overnight and in the early morning. Remaining quite cloudy during the morning with areas of low cloud. A period of heavier rain is expected for a time later in the morning, this will clear south by early afternoon with some brighter conditions in the afternoon. However some blustery showers are possible driven on the strong northwesterly winds. Showers likely to become wintry above 600m.

Maximum wind: Southwesterly 25mph with gusts 35-40 mph, veering westerly 30-35mph with gusts 45mph later.

Chance of cloud-free hill tops above 600m: 30% at first on Tuesday with broken low cloud around the hills associated with milder air and rain. Improving to 80% with patches of lower cloud tied in with any passing showers in the afternoon.

Low cloud and visibility: Broken cloud above 500m at first on Tuesday and visibility moderate at best, perhaps poor in heavier rain in the morning. Visibility will become very good in the afternoon but perhaps dipping moderate or poor in any passing showers but this will be short lived. Cloud bases mainly above the summits in the afternoon.

Temperature: **Valleys:** Plus 4 rising to 8 Celsius
At 600m: Plus 5 Celsius falling to 1 Celsius.
Freezing level: Above summits falling to 600m later.

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